



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/731,464	12/07/2000	Ulf Sawert	DP-303327	1232

7590

01/04/2005

DELPHI TECHNOLOGIES, INC.

Legal Staff

P.O. Box 5052

Mail Code: 480-414-420

Troy, MI 48007-5052

EXAMINER

HYLTON, ROBIN ANNETTE

ART UNIT

PAPER NUMBER

3727

DATE MAILED: 01/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/731,464

Applicant(s)

SAWERT ET AL.

Examiner

Robin A. Hylton

Art Unit

3727

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 October 2004.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-14 and 18-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,5-14 and 18-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2. Claims 1,5-14, and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kloess et al. (US 6,357,618) in view of Abu-Isa (US 6,395,357).

Kloess teaches a cover having a base wall **26**, a skirt **24**, a fuel tube **22**, and an unnumbered portion extending axially upwardly from the base wall.

Regarding claim 20, the base wall is attached to the fuel tank via a gasket **30**.

Although the cover is not explicitly stated to have a blade terminal, since it is a fuel module cover and applicant has stated blade terminals are part of a fuel module cover, the cover of Kloess is considered to have a blade terminal. Kloess does not teach a fuel permeation barrier layer.

Abu-Isa teaches it is known to provide a fuel permeation barrier layer of EVOH to a fuel tank and an associated cover assembly (see figure 2 depicting the barrier layer **34** sandwiched between other layers of the cover).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the teaching of a fuel permeation barrier layer to cover any desired area of the cover, and more specifically to the area between the base wall and the raised portion, of the tank cover assembly of Kloess. Doing so would ensures no vapors escape the closed tank.

Regarding claims 9,13, and 20, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the barrier layer of a thickness of approximately 0.2 mm to 2.0 mm, since would have been a matter of design choice expedient for use with tanks containing fuel.

Response to Arguments

3. Applicant's arguments filed October 18, 2004 have been fully considered but they are not persuasive.

In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971). Abu-Isa provides knowledge of providing a fuel tank and associated cover assembly with a permeation barrier layer to prevent gases within the tank from escaping into the atmosphere. Thus, at the time the claimed invention was made, the knowledge of a permeation barrier layer to prevent fuel vapors from escaping into the atmosphere was "knowledge which was within the level of ordinary skill at the time the claimed invention was made and does not include knowledge gleaned only from the applicant's disclosure". This meets the requirement set forth by the Circuit Court. Using such knowledge to provide a permeation barrier layer to the cover of Kloess is within the level of one of ordinary skill in the art and is obvious.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir.

Art Unit: 3727

1992). In this case, it is again asserted that one of ordinary skill in the art at the time the claimed invention was made had knowledge of applying a permeation barrier layer to a fuel tank cover. Further, to apply the permeation barrier layer to specific locations of the cover is also within the level of ordinary skill in the art as necessary to ensure gas vapors do not escape from the closed fuel tank.

Applicant has asserted the combination of references fail to render the claimed invention obvious, yet the combination of references clearly structurally read on the claims of the instant invention. Applicant further asserts no *prima facie* case of obviousness merely because the references do not explicitly suggest the modification. As set forth in the previous paragraphs, a case of *prima facie* obviousness is based also upon the general knowledge of one of ordinary skill in the art at the time the claimed invention was made. Since applicant has failed to consider the general knowledge of one of ordinary skill in the art at the time the claimed invention was made included applying a permeation barrier layer to the cover of a fuel tank, applicant's arguments are not persuasive.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

Art Unit: 3727

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. In order to reduce pendency and avoid potential delays, Group 3720 is encouraging FAXing of responses to Office Actions directly into the Group at (703) 872-9306. This practice may be used for filing papers not requiring a fee. It may also be used for filing papers which require a fee by applicants who authorize charges to a PTO deposit account. Please identify the examiner and art unit at the top of your cover sheet. Papers submitted via FAX into Group 3720 will be promptly forwarded to the examiner.

6. It is called to applicant's attention that if a communication is faxed before the reply time has expired, applicant may submit the reply with a "Certificate of Facsimile" which merely asserts that the reply is being faxed on a given date. So faxed, before the period for reply has expired, the reply may be considered timely. A suggested format for a certificate follows:

I hereby certify that this correspondence for Application Serial No. _____ is being facsimiled to The U.S. Patent and Trademark Office via fax number (703) 872-9306 on the date shown below:

Typed or printed name of person signing this certificate

Signature_____

Date_____

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robin Hylton whose telephone number is (571) 272-4540. The examiner can normally be reached Monday - Friday from 9:00 a.m. to 4:00 p.m. (Eastern time).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lee Young, can be reached on (571) 272-4549.

If in receiving this Office Action it is apparent to applicant that certain documents are missing, e.g., copies of references cited, form PTO-1449, form PTO-892, etc., requests for copies of such papers should be directed to Errica Miller at (571) 272-4370.

Art Unit: 3727

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-1148 or may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RAH
December 30, 2004

A handwritten signature in black ink, appearing to read 'Robin A. Hylton', with a stylized flourish at the end.

Robin A. Hylton
Primary Examiner
GAU 3727